



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H090169

Mode: Highway

Status: Submitted

NC-184

From/Cross Street: NC 105

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 1342 (Hickory Nut Gap Road)

Project Category: Regional Impact

Length: 3.76

TIP#: R-2811

Fully Funded in Draft STIP? No

Cost to NCDOT: \$60,377,000

Description:

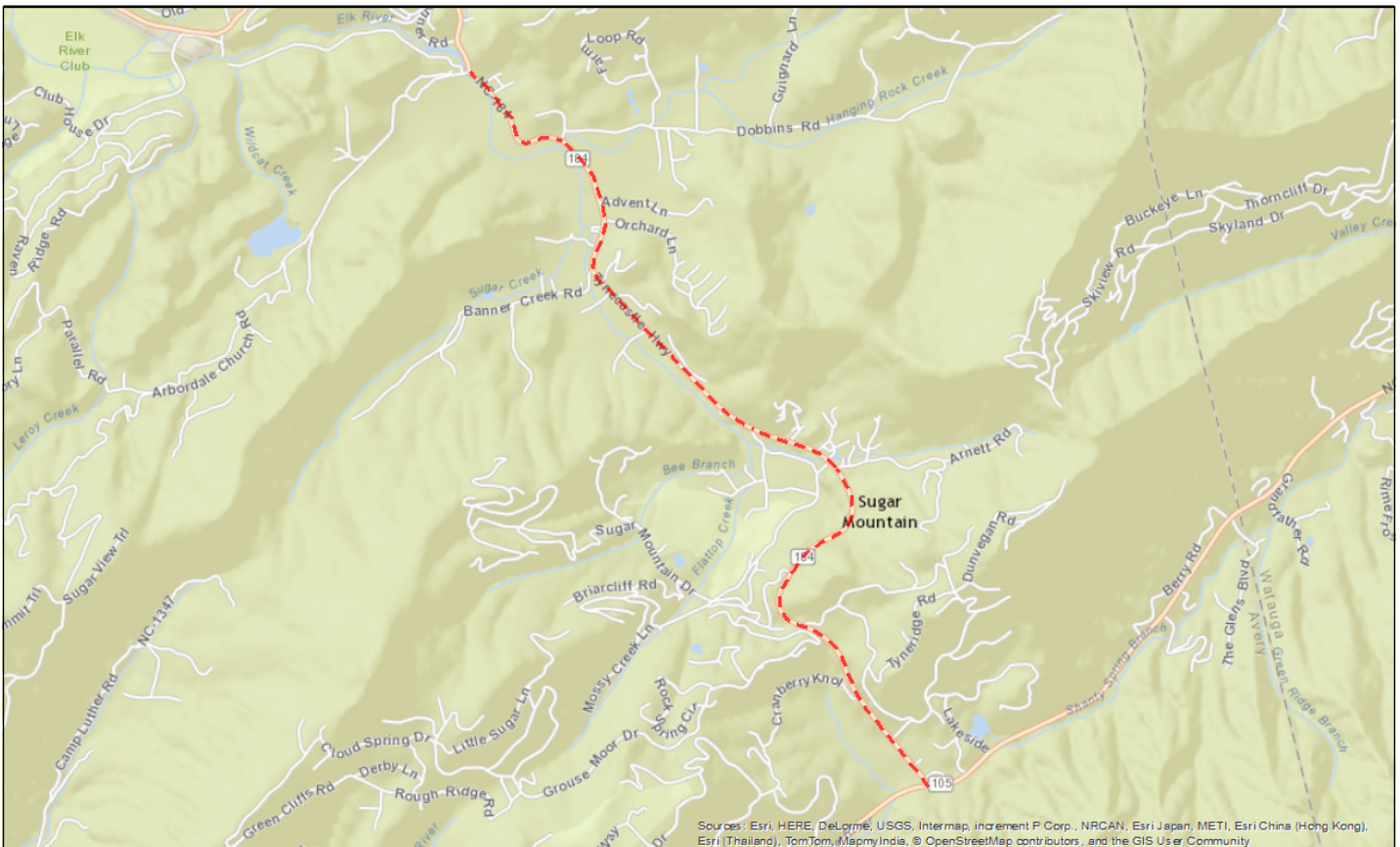
NC 105 to Hickory Nut Gap Rd (SR 1342) in Banner Elk. Widen to Multi-Lanes.

Division(s): Division 11

County(s): AVERY

MPOS(s)/RPO(s): High Country RPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 29.01

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 36.60	Percent: 15%	Percent: 15%
Safety (10%) 42.87	Points: 0	Points: 100
[Travel Time] Benefit/Cost (25%) 0.00		
Accessibility / Connectivity (10%) 5.73		
Totals: Weight: 70% Weighted Score: 14.01		

Division Needs Total Score: 11.61

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 36.60	Percent: 25%	Percent: 25%
Safety (10%) 42.87	Points: 0	Points: 0
[Travel Time] Benefit/Cost (20%) 0.00		
Totals: Weight: 50% Weighted Score: 11.61		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	51
Length (miles):	3.76
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Major Collector
Terrain Type:	Mountainous
Lane Width:	11
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	8600.68
Capacity:	15561.09
Volume/Capacity Ratio:	0.55
% Autos:	95%
% Trucks:	5%
Truck Volume:	395.02
Crash Density:	50.89
Crash Severity:	60.09
Critical Crash Rate:	17.65
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	2
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	19
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	99
Actual Congested Speed:	0
Travel Time Index:	0

Project Benefits

Project Cross-Section:	4B - 4 Lane Divided (23' Raised Median) with Paved Shoulders and Sidewalks
Speed Limit:	51
Length (miles):	3.76
Facility Type:	Arterial
Access Control:	Partial
Functional Classification:	Major Collector
Terrain Type:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	-3069199.87
Travel Time Savings for 30 Years (Autos):	-2928234.41
Travel Time Savings for 30 Years (Trucks):	-140965.46
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	No
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!line tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Country RPO	100%	100	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		100	0

Project Cost and Source

Construction Cost:	\$46,398,000	TIP Unit
Right-of-Way Cost:	\$12,481,000	Cost Estimation Tool
Utilities Cost:	\$1,498,000	Cost Estimation Tool
Total Project Cost:	\$60,377,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$60,377,000	